

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number  
**WO 2005/046558 A1**

(51) International Patent Classification<sup>7</sup>: **A61H 31/00**

(21) International Application Number:  
**PCT/SE2004/001596**

(22) International Filing Date:  
4 November 2004 (04.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0303054-1 17 November 2003 (17.11.2003) SE

(71) Applicant (for all designated States except US): **JOLIFE AB** [SE/SE]; Ideon, S-223 70 Lund (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SEBELIUS, Peter** [SE/SE]; Steglitsvägen 9a, S-227 32 Lund (SE). **ROSELLI, Martina** [SE/SE]; Hemstigen 8, S-361 33 Emmaboda (SE).

(74) Agent: **CONIMAR AB**; Box 2086, Stationsvägen 29, S-141 02 Huddinge (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

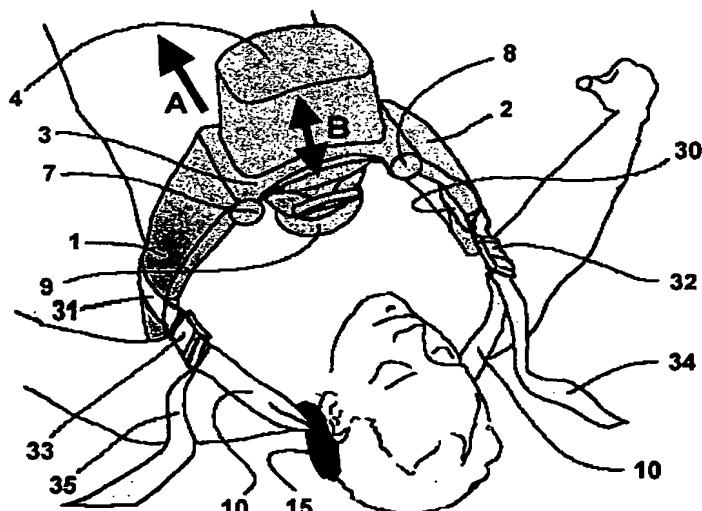
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POSITIONING DEVICE FOR USE IN APPARATUS FOR TREATING SUDDEN CARDIAC ARREST



(57) Abstract: A positioning device for use in apparatus for treating sudden cardiac arrest in a patient in supine position by providing chest compressions at the lower end of the sternum prevents the apparatus from moving in a caudal direction. The apparatus comprises a frame enclosing the patient at a sternal transversal plane and a pneumatic compression/decompression means mounted on the frame. The device comprises a flexible strap having a first end, a second end and a tensioning means disposed between the first and second ends. First and second end portions of the strap comprise means for attachment to the apparatus. The flexible strap has a mounted tensioned length sufficient to extend around the patient's neck. At least one of the end portions is releaseably attached.

WO 2005/046558 A1

BEST AVAILABLE COPY